

Title (en)
AIRPLANE WING

Title (de)
FLUGZEUGFLÜGEL

Title (fr)
AILE D'AVION

Publication
EP 3498597 A1 20190619 (EN)

Application
EP 17020576 A 20171215

Priority
EP 17020576 A 20171215

Abstract (en)
The invention relates to a wing for an airplane having at least two winglets, wherein a local angle of attack at the upstream winglet shall be reduced by a passive elastic morphing in heavy load conditions and wherein stall shall occur for the downstream winglet, then. Both serves for limiting and reducing the forces and torques produced by the winglets.

IPC 8 full level
B64C 23/06 (2006.01)

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Citation (search report)

- [A] US 4671473 A 19870609 - GOODSON KENNETH W [US]
- [A] US 2012185181 A1 20120719 - CHANKAYA KURT M [US], et al
- [A] US 2009084904 A1 20090402 - DETERT BRUCE R [US]

Designated contracting state (EPC)
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BA ME

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EP 3498597 A1 20190619; **EP 3498597 B1 20200805**; CN 111479749 A 20200731; CN 111479749 B 20230630; ES 2819559 T3 20210416; US 11396368 B2 20220726; US 2021221495 A1 20210722; WO 2019115528 A1 20190620

DOCDB simple family (application)
EP 17020576 A 20171215; CN 201880081033 A 20181211; EP 2018084364 W 20181211; ES 17020576 T 20171215; US 201816772654 A 20181211